



**FIG S2** Growth of wild-type *V. fischeri* and chemotaxis mutants on *N*-acetylated sugars.

(A) The rates of growth in MSM supplemented with 0.05% casamino acids and 6.5 mM Neu5Ac were measured for wild-type *V. fischeri* (circles), the  $\Delta\Delta\Delta\Delta$  mutant (squares), and the  $\Delta VF\_1133 \Delta VF\_A0246$  mutant (triangles). (B) The rates of growth in MSM supplemented with 0.05% casamino acids and 6.5 mM GlcNAc were measured for wild-type *V. fischeri* (circles) and the  $\Delta\Delta\Delta\Delta$  mutant (squares). Results represent means of three biological replicates  $\pm$  one standard deviation. Abs, absorbance.